



FRAMES ORBIT
FOCUS SPACES

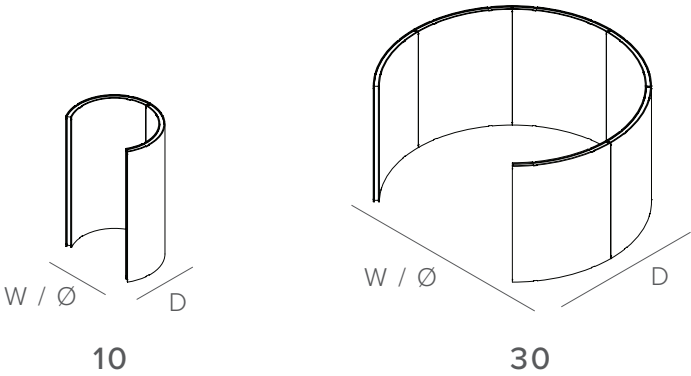




PRODUCT OVERVIEW

Infuse fluidity and calm into your open-plan interiors with Frames Orbit, a curated collection of circular acoustic partitions and round focus spaces. Engineered with an advanced 70mm hollow-core structure, these curved, sustainable modules expertly absorb noise to create inviting, quieter retreats. Highly adaptable, they connect seamlessly utilizing an innovative, tool-free magnetic locking device. Offered in premium recycled PET or Classic Virgin Wool.

SIZES



DIMENSIONS (mm)			
	Ø / W	D	H
10	1140	855	1200 1600
30	3140	2680	1800

DIMENSIONS (in)			
	Ø / W	D	H
10	44.9	33.7	47.24 63
30	123.6	105.5	70.9

ORDER CODE

EXAMPLE: LX - FO - 10 - H1 - FS - SA - MB
(Luxbox Frames Orbit, Size 10, H1 Height, Free-Standing, Sand PET, Basica pattern)

PRODUCT	SIZE		HEIGHT		MOUNTING		PET COLOUR	PATTERN / FINISH*	
LX-FO	10	Small Round	H0	1200mm / 47.24"	FS	Free-standing	Use color codes as shown on the next page.	MB	Basica
	30	Medium Round	H1	1600mm / 63"	SU	Suspended		MR	Ranura
			H2	1800mm / 70.86"				MW	Whisperlines
								MS	Shi lap
								MP	Pulse
								XX**	Wool colour code

* More info on the patterns can be found on p. 4. | **For a wool finish (XX) please add the two digits of the selected wool color at the end of the ordering code. Please note the wool cladding will only be applied to the outer face of the module unless specified otherwise.

FRAMES ORBIT FOCUS SPACES

Luxbox reserves the right to change the specification, material and colors at any time without notice. Standard warranty terms and conditions apply. All rights reserved © All dimensions and values on specification sheet are nominal. July 2026. LX-Frames-Orbit-Spec-Sheet_A v1.7

AVAILABLE COLOURS

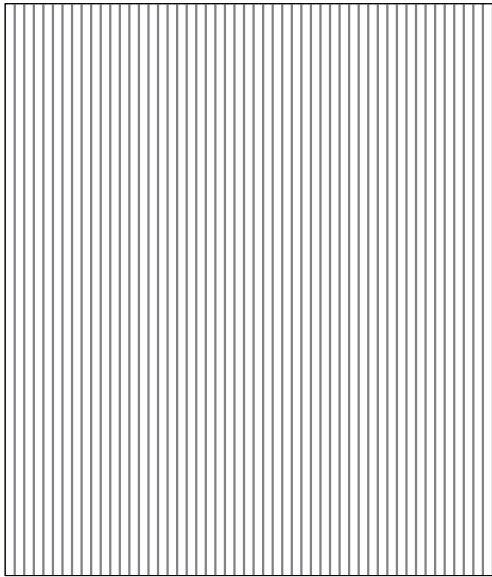
PET	CORE									
		Off White (OW)	Light Grey (LG)	Light Blue (LB)	Dark Blue (DB)	Emerald Green(EG)	Charcoal (C)	Black (B)		
	DESIGNER									
		Sand (SA)	Mid Grey (MG)	Terra (TR)	Espresso (ES)	Sage(SE)	Steel Blue (SB)	Ink (IN)		
		Blush (BH)	Bright Blue (BB)	Forest Green (FG)	Bright Yellow (BY)	Orange (O)	Red (R)			
WOOL (only for Veil finish)										
		4M	2T	4T	4C	3V	21	3W	3Q	4N
		13	39	63	90	3P	3T	4Q	3N	4L
		4U	3S	82	4R	3M	58	2W	47	86
		4A	4D	2Q	1E	28	4W	1J	31	30
		1R	1V	1W	1P	1Y	12	67	08	02
		3Z	2U	2Z	3X	3B	4B	4S	4K	33
		4P	09	26	62	1F	1K	1L	53	3U
		3Y	3R	3A	4V	4F	4E	4G		

PATTERNS

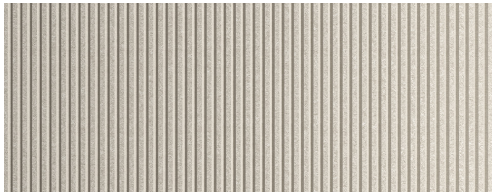
See below line drawings and close-up views of all the available patterns. Please note that a wool finish cannot be applied when a pattern has been specified.

RANURA (MR)

Line Drawing

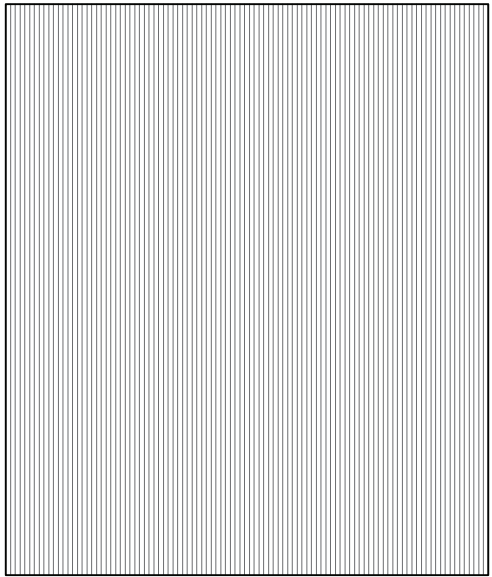


Close-up

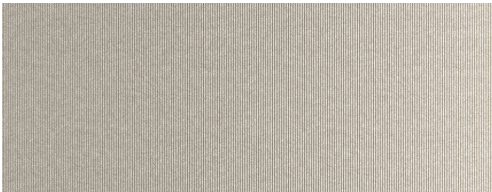


WHISPERLINES (MW)

Line Drawing

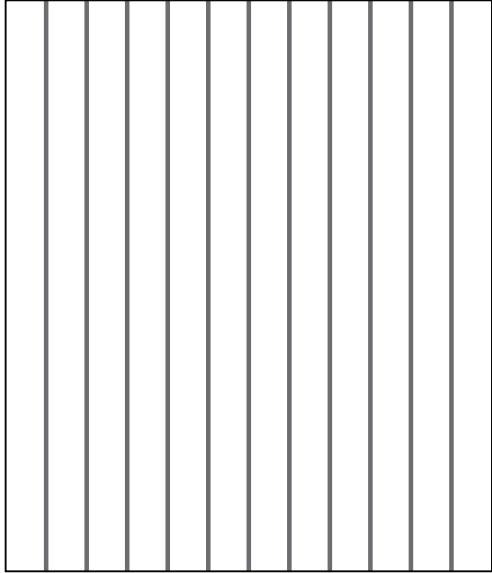


Close-up



SHIPLAP (MS)

Line Drawing

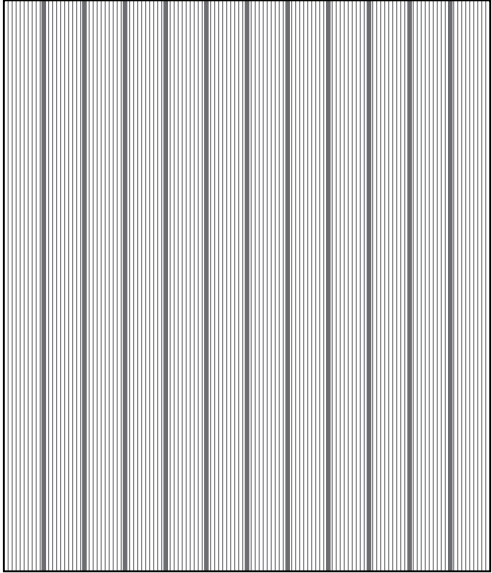


Close-up



PULSE (MS)

Line Drawing



Close-up



MATERIAL ACOUSTIC PROPERTIES

STANDARDS

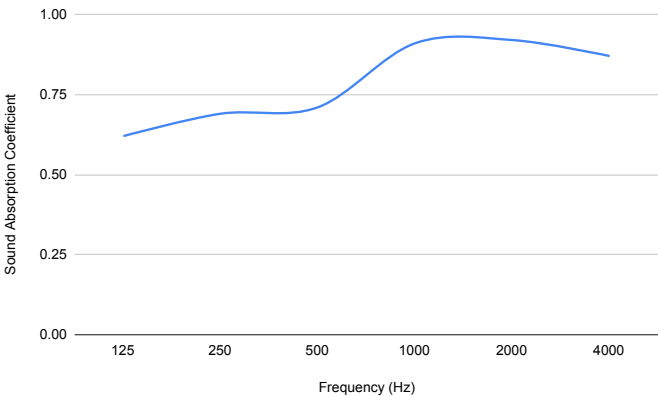
ISO 354:2003	Acoustics - Measurement of sound absorption in a reverberation room
ISO 11654:1997	Acoustics - Sound absorbers for use in buildings — Rating of sound absorption
ASTM C423-22	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM E795-16	Standard Practices for Mounting Test Specimens During Sound Absorption Tests

SUMMARY

Noise Reduction Coefficient	NRC	0.85
Weighted Sound Absorption Coefficient	SAA	0.85
Sound Absorption Average	aw	0.83
Absorption Class	Class	B

ACOUSTIC PERFORMANCE

Frequency (Hz)	Sound Absorption Coefficient
125	0.69
250	0.92
500	0.96
1000	0.76
2000	0.79
4000	0.74



Please note that the acoustic performance of our Motif Panels could be significantly improved by adding an air gap between the acoustic panel and the wall.

ACOUSTIC PERFORMANCE METRICS EXPLAINED

Noise Reduction Coefficient (NRC): The NRC is a single-number rating that indicates how much sound a material absorbs. An NRC of 0.85 means the material absorbs 85% of incident sound and reflects 15%.

Sound Absorption Average (SAA): The SAA is a more detailed version of the NRC, calculated as the average absorption across twelve one-third octave bands from 200 Hz to 2500 Hz. This provides a finer-grained insight into how the material performs across speech-relevant frequencies.

Weighted Sound Absorption Coefficient (aw): aw is a European single-number rating that condenses a material’s sound absorption performance into a value between 0 and 1, based on standardized laboratory testing (ISO 11654). It is weighted to match human auditory sensitivity, making it highly relevant in architectural design.

Absorption Class: Derived from aw, the Absorption Class (A–E) categorizes materials into intuitive performance bands, with Class A representing the highest sound absorption. This makes it easier for designers and clients to compare materials without reading full test reports.

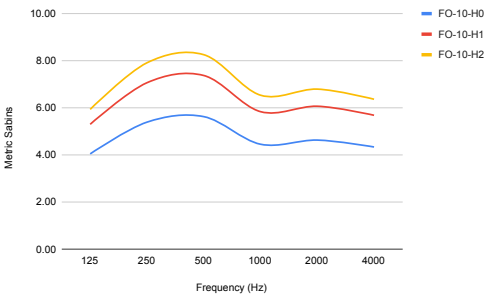
Frequency-Dependent Absorption Coefficients: These values show how much sound is absorbed at specific frequencies—typically at 125, 250, 500, 1000, 2000, and 4000 Hz. They are critical for specialists aiming to target particular acoustic issues, such as controlling low-frequency rumble or high-frequency reverberation.

PRODUCT ACOUSTIC PROPERTIES

Below you'll find acoustic data for the different sizes of this product in different Heights. This allows you to compare the acoustic performance of the different height options in a specific product size.

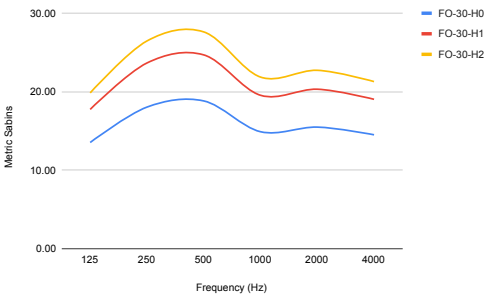
SIZE 10 (METRIC)

SABINS (M ²)	Frequency (Hz)	Sound Absorption Coefficient	H0	H1	H2
	125	0.69	4.04	5.30	5.93
	250	0.92	5.39	7.07	7.91
	500	0.96	5.63	7.37	8.26
	1000	0.76	4.45	5.84	6.54
	2000	0.79	4.63	6.07	6.79
	4000	0.74	4.34	5.68	6.36



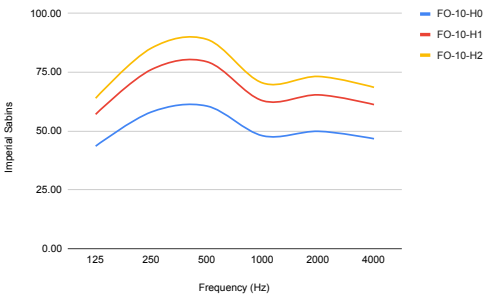
SIZE 30 (METRIC)

SABINS (M ²)	Frequency (Hz)	Sound Absorption Coefficient	H0	H1	H2
	125	0.69	13.53	17.75	19.85
	250	0.92	18.04	23.66	26.47
	500	0.96	18.83	24.69	27.62
	1000	0.76	14.90	19.55	21.87
	2000	0.79	15.49	20.32	22.73
	4000	0.74	14.51	19.03	21.29



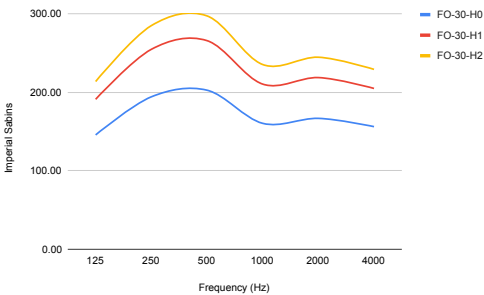
SIZE 10 (IMPERIAL)

SABINS (FT ²)	Frequency (Hz)	Sound Absorption Coefficient	H0	H1	H2
	125	0.69	43.52	57.04	63.87
	250	0.92	58.03	76.05	85.16
	500	0.96	60.55	79.36	88.87
	1000	0.76	47.94	62.83	70.35
	2000	0.79	49.83	65.31	73.13
	4000	0.74	46.68	61.17	68.50



SIZE 30 (IMPERIAL)

SABINS (FT ²)	Frequency (Hz)	Sound Absorption Coefficient	H0	H1	H2
	125	0.69	145.65	191.02	213.68
	250	0.92	194.19	254.70	284.90
	500	0.96	202.64	265.77	297.29
	1000	0.76	160.42	210.40	235.36
	2000	0.79	166.75	218.71	244.65
	4000	0.74	156.20	204.87	229.16



MATERIAL SPECIFICATIONS

A key feature of the Frames System is its material versatility. Recognizing the varied aesthetic and performance requirements of modern design, these acoustic modules are available in two distinct finishes: high-performance PET and luxurious, naturally sourced Wool. To provide complete transparency and assurance of quality, the specific certifications applicable to each material are delineated below:

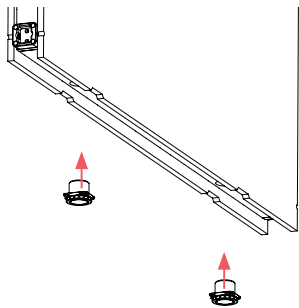
	WOOL	PET
COMPOSITION	100% Virgin Wool (Camira Blazer Wool)	100% polyester fiber (98% post-consumer recycled + 2% masterbatch)
COLOUR FASTNESS TO LIGHT:	4-6 (ISO 105 - B02)	ISO 105-B02-1994 Rating: 6-7
FIRE TEST:	AS1530 Part 3, AS3837, ISO5660, BS EN 1021-1&2 Cigarette and Match, BS 7176 Low Hazard, UNI 9175 Classe 1	AS 1530.3 / ISO 9705: Group 1 / GB8624 B1 / ASTM E-84-14 (Class A, FSI:20 - SDI:450) / BS EN13501-1:2007+A1:2009 (B-s1, d0)
ENVIRONMENTAL:	Renewable, Compostable, certified to EU Ecolabel & Indoor Advantage™ Gold	PET: GreenTag Certification / GreenRate: Level A
SOUND ABSORPTION:	BS EN ISO 10534-2: 2001 / Sound Absorption Coefficient	AS ISO 354 – 2006 / Noise reduction coefficient (NRC) = 0.85
THERMAL TRANSMISSION:	ASTM C518-2010. R- Value = 0.30 m²K/W	
VOC EMISSIONS:	ASTM D5116 Rate: < 0.01 mg/m²/hr (7 days)	

Please note some of these certificates will apply to specific colours.

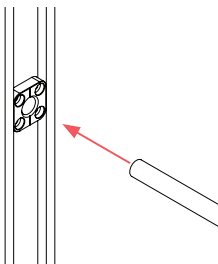
INSTALLATION OVERVIEW

A key advantage of the Frames System is its effortless installation. Recognizing the need for adaptable and cost-effective commercial spaces, these lightweight modules are extremely easy to assemble and reconfigure without the hidden costs of specialized tools or external installation teams. To demonstrate just how simple and intuitive this process is, the four basic installation steps are clearly outlined below:

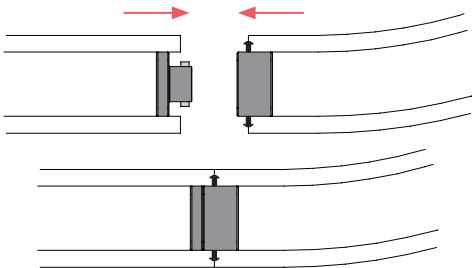
1. Open boxes, identify modules and place them next to each other, without joining them, in the desired layout. If Free-Standing, fix leveling feet to the bottom of the modules by gently pushing these in through the cutout areas until they clip in.



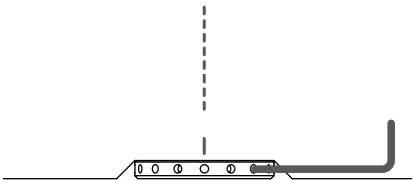
2. Insert connecting tubes in specific modules before connecting them.



3. If suspended, suspend each module separately using the suspension kits and adjust the suspension length so that all modules are suspended at the same distance from the ceiling. Push modules together to connect them. Make sure tube joiners are inserted in the dedicated holes and let the magnetic pull lock adjacent modules together.

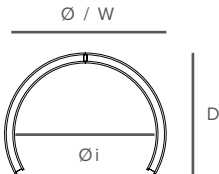
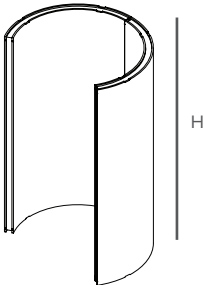


4. Adjust leveling feet if the modules are free standing.



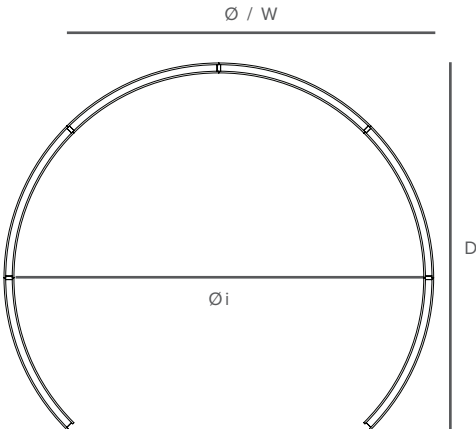
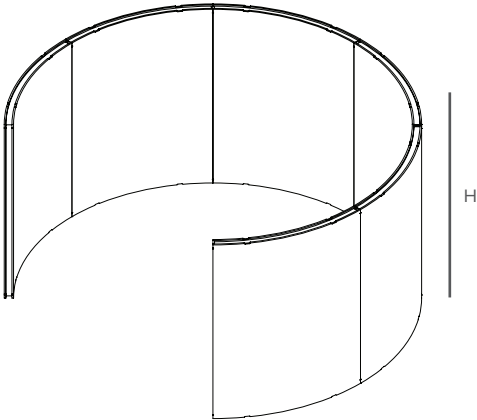
PRODUCT DIMENSIONS

10



	in	mm
Ø / W	44.9	1140
D	33.7	855
Øi	39.4	1000
H	47.2	1200
	63	1600
	70.9	1800

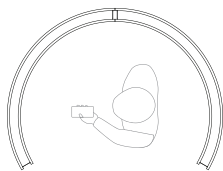
30



	in	mm
Ø / W	123.6	3140
D	105.5	2680
Øi	118.1	3000
H	47.2	1200
	63	1600
	70.9	1800

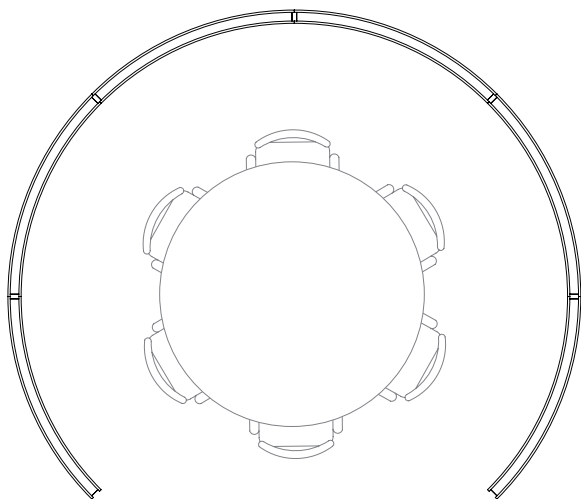
EXAMPLES

10

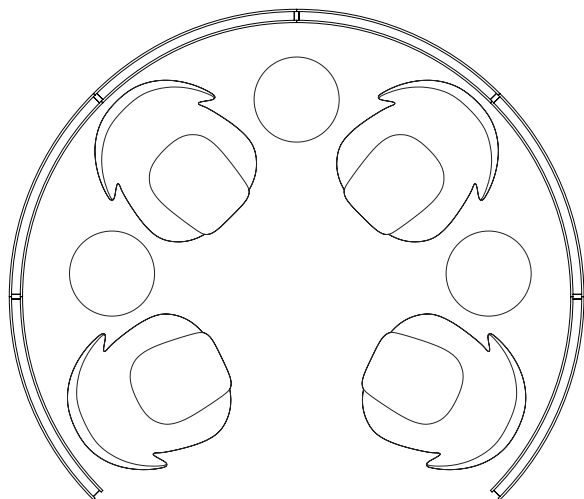


10-A: Privacy phone booth.

30



30-A: Meeting room with a round table of 1750mm / 68.9" in diameter for 6 people.



30-B: Lounge area for 4 people sitting comfortably in armchairs with 3 side tables.